**Tier Two Emergency and Hazardous Chemical Inventory** Specific Information by Chemical

Reporting Period: January 1 to December 31, 2017 Page 1

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**KMCO Facility Name:** 

#### **FACILITY IDENTIFICATION:**

**KMCO** Dept:

16503 RAMSEY ROAD CROSBY, TX 77532 USA

County: HARRIS Fire District: Crosby Latitude: 29.75500 Longitude: -95.053056 Facility Phone: 281-328-0238

[x] All facility information (not including chemical information) is identical to last year's submission

**IDENTIFICATION NUMBERS:** 

Dun & Bradstreet: 614095362

NAICS: 325199 (All Other Basic Organic Chemical Manufacturing)

RMP: 100000118623

SIC: 2869

Is the facility manned? [x] Manned [ ] Unmanned

Maximum No. of Occupants: 180

**REGULATORY INFORMATION:** 

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [x] Yes [ ] No Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [x] Yes

#### CONTACT INFORMATION:

Davenport, Klmberly

Title: HSSE Coordinator Contact Type 1: Tier II Information Contact Contact Type 2: Emergency Contact

Address: 16503 Ramsey Road, Crosby, TX, 77532 USA Phones: 24-hour: 281-328-0223 Emergency: 832-689-7559

Email: kimberlyd@kmcoinc.com

Wallace, Matt

Contact Type 2: Emergency Contact Title: Supervisor Contact Type 1: Owner / Operator

Address: 16503 Ramsey Road, Crosby, TX, 77532 USA Phones: 24-hour: 832-724-6241 Work: 281-328-0251

Email: mattwallace@kmcoinc.com

Nidini, Kelly

Title: HSSE Manager Contact Type 1: Fac. Emergency Coordinator Contact Type 2: Emergency Contact

Address: 16503 Ramsey Road, Crosby, TX, 77532 Phones: Work: 281-328-0223 24-hour: 281-733-6117

Email: kellyn@kmcoinc.com

Tehune, Keith

Title: Vice President Contact Type 1: Emergency Contact

[x]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization

**KMCO Facility Name:** 

Address: 16503 Ramsey Road, Crosby, , 77532 Phones: Work: 281-328-0234 24-hour: 870-307-2648 Email: keitht@kmcoinc.com CHEMICAL DESCRIPTIONS: CHEM NAME: 2-Ethylhexanol CAS: 104-76-7 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) |Pvrophoric Gas ]Self-heating ]Organic peroxide [ ]Corrosive to metal [ ]Gas under pressu [ ]In contact with water emits flammable gas [ ]Combustible Dust ]Gas under pressure (compressed gas) **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation [ ]Reproductive toxicity [x] Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 08 (50,000 - 74,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction I Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Acetic Acid CAS: 64-19-7 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide [x]Corrosive to metal ]Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity []Reproductive toxicity []Specific target organ toxicity (single/repeated exposure) [x]Skin corrosion or irritation

[ ]Aspiration hazard

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### Specific Information by Chemical

**Facility Name: KMCO** [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 11 (500,000 - 999,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Temp: Ambient temperature Location: Distillion II Pressure: Ambient pressure Process Area Amount: Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: Distillation II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Acrylic Acid CAS: 112-34-5 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) 10xidizer (liquid, solid or gas) |Self-reactive ]Pyrophoric (liquid or solid) lPvrophoric Gas |Self-heating ]Organic peroxide Gas under pressure (compressed gas) 1Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation [x]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [x]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 06 (10,000 - 24,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Plastic or non-metallic drum Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Drum Yard Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Acrylonitrile Stablized CAS: 107-13-1 EHS: Yes [x] Identical to previous year []TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

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Facility Name: KMCO	
CHEMICAL COMPONENTS:  [x] EHS, CAS: 107-13-1, Component: Acrylonitri PHYSICAL HAZARDS:	le , 99% Wt, Max Amt code: 06 (10,000 - 24,999 pounds)
[ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [ ]Corrosive to metal [ ]In contact with water emits flammable gas	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas) [ ]Combustible Dust</pre>
HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure)  [x] Skin corrosion or irritation  [x] Serious eye damage or eye irritation  [x] Respiratory or skin sensitization  [x] Germ cell mutagenicity	<pre>[x]Carcinogenicity [x]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant</pre>
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 06 (10,000 - 24,999 pound     Avg Daily Amt code: 02 (100 - 499 pounds)     Max quantity in largest container: 20,000 pounds     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Above ground tank Pressure PROCESS AREA Amount: 20000 pounds CHEMICALS IN INVENTORY STATE FIELDS:	S
No additional chemical information is required by Texa	
[] Pure [x] Mix [x] Solid [] Liquid [] Ga PHYSICAL HAZARDS: [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-heating [] Corrosive to metal [] In contact with water emits flammable gas	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas)</pre>
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation []Respiratory or skin sensitization []Germ cell mutagenicity	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 11 (500,000 - 999,999 pou     Avg Daily Amt code: 08 (50,000 - 74,999 pounds     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential	,

]Respiratory or skin sensitization

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Specific Information by Chemical

**KMCO Facility Name:** Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location: Amount: Reaction II Process Area Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location: Reaction I Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Alcohols, C16-C18, Ethoxylate (AE7) CAS: 68439-49-6 EHS: No [x] Identical to previous year [] TRADE SECRET [] Pure [x] Mix [x] Solid [] Liquid [] Gas PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) |Pvrophoric Gas ]Self-heating ]Organic peroxide [ ]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Gas under pressure (compressed gas) | Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x] Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) ]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity |Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Temp: Ambient temperature Container Type: Above ground tank Pressure: Ambient pressure Location: Reaction 2, CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Alpha Olefins Fraction, C24-28 CAS: 93924-11-9 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Corrosive to metal ]Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity ]Skin corrosion or irritation ]Reproductive toxicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) Serious eye damage or eye irritation

[ ]Aspiration hazard

### **Emergency and Hazardous Chemical Inventory**

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**Facility Name: KMCO** [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 08 (50,000 - 74,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Distillation II Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Ammonia CAS: 7664-41-7 EHS: Yes [x] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas CHEMICAL COMPONENTS: [x] EHS, CAS: 7664-41-7, Component: Ammonia, 100% Wt, Max Amt code: 08 (50,000 - 74,999 pounds) PHYSICAL HAZARDS: ]Explosive [Flammable (gases, aerosols, liquids, or solids) 10xidizer (liquid, solid or gas) |Self-reactive Pyrophoric (liquid or solid) 1Pvrophoric Gas |Self-heating ]Organic peroxide [x]Gas under pressure (compressed gas) [x]Corrosive to metal [ ]In contact with water emits flammable gas [x]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation [ ]Reproductive toxicity [x]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [x]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 08 (50,000 - 74,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction II Process Area, cylinders in 400 Tank Farm Amount: 20000 pounds Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction I Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas

CHEM NAME: Armeen OI (Oleylamine)

CAS: 112-90-3 EHS: No [x] Identical to previous year

# Specific Information by Chemical

Facility Name: KMCO	
[]TRADE SECRET [x] Pure []Mix []Solid [x]Liquid []Gas PHYSICAL HAZARDS: []Explosive []Flammable (gases, aerosols, liquid)	ida or solida)
[ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive [ ]Pyrophoric (liquid or solid) [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Corrosive to metal [ ]Gas under pressure (compressed g [ ]In contact with water emits flammable gas [ ]Combustible Dust	
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization [y]Germ cell mutagenicity  [y]Carcinogenicity [y]Reproductive toxicity [y]Specific target organ toxicity (y) [y]Aspiration hazard [y]Simple Asphyxiant	single/repeated exposure)
[] Hazard Not Otherwise Classified	
INVENTORY:  [ ] Below Reporting Thresholds	
Max Daily Amt code: 06 (10,000 - 24,999 pounds)	
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)  No. of days on-site: 365	
STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Am Reaction 1 Amount:	bient temperature Location:
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
<del></del>	
CHEM NAME: Beta Naphthol	
CAS: 135-19-3 EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET [x] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas	
PHYSICAL HAZARDS:	
[ ]Explosive [ ]Flammable (gases, aerosols, liqu [ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive	ids, or solids)
[ ]Pyrophoric (liquid or solid) [ ]Pyrophoric Gas [ ]Self-heating [ ]Organic peroxide	
[ ]Corrosive to metal	as)
HEALTH HAZARDS:	
<pre>[x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [ ]Skin corrosion or irritation [ ]Reproductive toxicity</pre>	
[ ]Serious eye damage or eye irritation [x]Specific target organ toxicity ( ]Respiratory or skin sensitization []Aspiration hazard []Germ cell mutagenicity []Simple Asphyxiant	single/repeated exposure)
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds)	
No. of days on-site: 365	
STORAGE LOCATIONS:	
[ ] Confidential  Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Lo	cation: Reaction 2 Warehouse

# **Emergency and Hazardous Chemical Inventory**

[ ]Hazard Not Otherwise Classified

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO
Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas
CHEM NAME: Boron Trifluoride Etherate CAS: 7637-07-2 EHS: Yes
[x] Identical to previous year
[]TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [x] Gas PHYSICAL HAZARDS:
[ ]Explosive
HEALTH HAZARDS:
<pre>[x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization []Germ cell mutagenicity [] Carcinogenicity []Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) []Aspiration hazard []Simple Asphyxiant</pre>
[ ]Hazard Not Otherwise Classified
INVENTORY:
[ ] Below Reporting Thresholds Max Daily Amt code: 04 (1,000 - 4,999 pounds)
Avg Daily Amt code: 02 (100 - 499 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction
Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction Process Area Amount:
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Butanol
CAS: 71-36-3 EHS: No
[x] Identical to previous year [ ] TRADE SECRET
[x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
PHYSICAL HAZARDS:
[ ]Explosive
[ ]Pyrophoric (liquid or solid)
HEALTH HAZARDS:
<pre>[x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization []Germ cell mutagenicity []Simple Asphyxiant []Sarcinogenicity []Reproductive toxicity []Simple toxicity []Simple Asphyxiant</pre>

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
INVENTORY:  [ ] Below Reporting Thresholds  Max Daily Amt code: 07 (25,000 - 49,999 pounds  Avg Daily Amt code: 06 (10,000 - 24,999 pounds  No. of days on-site: 365  STORAGE LOCATIONS:  [ ] Confidential  Container Type: Tank wagon Pressure: Amb  Amount:  CHEMICALS IN INVENTORY STATE FIELDS:  No additional chemical information is required by Texas	ient pressure Temp: Ambient temperature Location: Reaction 1
CHEM NAME: Butyl Acrylate CAS: 141-32-2 EHS: No [x] Identical to previous year [ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Ga PHYSICAL HAZARDS:	
[ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [ ]Corrosive to metal [ ]In contact with water emits flammable gas	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas) [ ]Combustible Dust</pre>
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization []Germ cell mutagenicity	[ ]Carcinogenicity [x]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 07 (25,000 - 49,999 pounds     Avg Daily Amt code: 06 (10,000 - 24,999 pounds     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Plastic or non-metallic drum Warehouse Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	Pressure: Ambient pressure Temp: Ambient temperature Location:
CHEM NAME: Butylene Oxide, Stabilized CAS: 106-88-7 EHS: No         [x] Identical to previous year         [] TRADE SECRET         [x] Pure [] Mix [] Solid [x] Liquid [] Ga PHYSICAL HAZARDS: [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-heating	[x]Flammable (gases, aerosols, liquids, or solids) []Self-reactive []Pyrophoric Gas []Organic peroxide []Gas under pressure (compressed gas)

# **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical Printed: April 2, 2019

**KMCO Facility Name:** [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation Reproductive toxicity [x] Serious eye damage or eye irritation [ ]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization lAspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 09 (75,000 - 99,999 pounds) Avg Daily Amt code: 07 (25,000 - 49,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Combustible liquid, n.o.s. CAS: EHS: No [x] Identical to previous year [x] TRADE SECRET [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: lExplosive [x]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) lSelf-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Gas under pressure (compressed gas) |Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [ ]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 13 (10 million+ pounds) Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Distillation and Reaction Tank Farms Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas

CHEM NAME: Core 100 (Base Oil)

Printed: April 2, 2019

# Specific Information by Chemical

CAS: 64742-52-5 EHS: No	
[x] Identical to previous year [] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: [] Explosive [x	]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [	Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)
[ ]Skin corrosion or irritation [ [ ]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization [	Carcinogenicity  Reproductive toxicity  Specific target organ toxicity (single/repeated exposure)  Aspiration hazard  Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY: [ ] Below Reporting Thresholds	
Max Daily Amt code: 12 (1,000,000 - 9,999,999 pou	ınds)
Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pou	nds)
No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Rail car Pressure: Ambient pre Container Type: Above ground tank Pressure: A	
Amount:	unbont pressure Temp. Ambient temperature Ecoation. Niviro de
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
-	
CAS: 108-93-0 EHS: No	
-	
[x] Identical to previous year [ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas	
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [ ] TRADE SECRET  [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas  PHYSICAL HAZARDS:  [ ] Explosive [x]  [ ] Oxidizer (liquid, solid or gas) [	]Flammable (gases, aerosols, liquids, or solids) ]Self-reactive ]Pyrophoric Gas
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [ ] TRADE SECRET  [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas  PHYSICAL HAZARDS:  [ ] Explosive [ ] Oxidizer (liquid, solid or gas) [ ] Pyrophoric (liquid or solid) [ ] Self-heating [ ]	Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [x [] Oxidizer (liquid, solid or gas) [x [] Pyrophoric (liquid or solid) [x [] Self-heating [] Corrosive to metal []	Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [x]  [] Oxidizer (liquid, solid or gas) [x]  [] Pyrophoric (liquid or solid) [x]  [] Self-heating [x]  [] Corrosive to metal [x]  [] In contact with water emits flammable gas [x]  HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure) [x] Skin corrosion or irritation	Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)  Combustible Dust  Carcinogenicity  Reproductive toxicity
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-heating [] Corrosive to metal [] In contact with water emits flammable gas  HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure) [x] Skin corrosion or irritation [x] Serious eye damage or eye irritation [x] Respiratory or skin sensitization [x]	Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)  Combustible Dust
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] [] Pyrophoric (liquid or solid) [] [] Self-heating [] [] Corrosive to metal [] [] In contact with water emits flammable gas []  HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure) [] [x] Skin corrosion or irritation [] [x] Serious eye damage or eye irritation [] [] Respiratory or skin sensitization []	Self-reactive
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-heating [] Corrosive to metal [] In contact with water emits flammable gas [  HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure) [x] Skin corrosion or irritation [x] Serious eye damage or eye irritation [x] Serious eye damage or eye irritation [y] Respiratory or skin sensitization [y] Germ cell mutagenicity  [] Hazard Not Otherwise Classified  INVENTORY: [] Below Reporting Thresholds	Self-reactive
CAS: 108-93-0 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-heating [] Corrosive to metal [] In contact with water emits flammable gas [  HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure) [x] Skin corrosion or irritation [x] Serious eye damage or eye irritation [x] Respiratory or skin sensitization [] In Germ cell mutagenicity  [] Hazard Not Otherwise Classified  INVENTORY:	Self-reactive

Specific Information by Chemical Printed: April 2, 2019

Facility Name:	KMCO				
Amount: CHEMICALS IN		.DS:	Ambient pressure	Temp: Ambient temperature	e Location: Reaction 2
[]TRADE [x]Pure [ CHEMICAL COI [x]EHS, CA PHYSICAL HAZ []Explosive []Oxidizer (: []Pyrophoric []Self-heatin [x]Corrosive []In contact  HEALTH HAZAI [x]Acute toxid	EHS: Yes If to previous year SECRET [ ] Mix [ ] Solid [x] Liqu MPONENTS: AS: 108-91-8, Component: ZARDS: liquid, solid or gas) (liquid or solid) ng to metal with water emits flame RDS: city (any route of expo	Cyclohexylanable gas	amine, 80% Wt, Max  [x]Flammable (gase [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxid [ ]Gas under press [ ]Combustible Dus [ ]Carcinogenicity	ure (compressed gas) t	,
[x]Skin corros [x]Serious ey []Respirator []Germ cell n  []Hazard Not INVENTORY: []Below F Max Daily A	sion or irritation e damage or eye irritat y or skin sensitization	cion n 999 pounds	[x]Reproductive to []Specific target []Aspiration haza []Simple Asphyxia	xicity organ toxicity (single/ rd	repeated exposure)
No. of days STORAGE LOC [ ] Confide Container - Reaction I Proces CHEMICALS IN	s on-site: 365 CATIONS: ential Type: Steel Drum Press	ure: Ambie	nt pressure Temp:	Ambient temperature Loc	ation: Drumyard storage,
[]TRADE [X]Pure [ PHYSICAL HAZ []Explosive []Oxidizer (: []Pyrophoric []Self-heatin []Corrosive	EHS: No Il to previous year SECRET [] Mix [] Solid [x] Liqu ZARDS: liquid, solid or gas) (liquid or solid) ng to metal with water emits flame		[ ]Flammable (gase [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxid [ ]Gas under press	ure (compressed gas)	: solids)
	city (any route of expo	osure)	[x]Carcinogenicity		

## Specific Information by Chemical

**Facility Name: KMCO** [x]Skin corrosion or irritation [ ]Reproductive toxicity [x]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 09 (75,000 - 99,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction 1 & 2 Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Decene CAS: 833482-31-8 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) 10xidizer (liquid, solid or gas) 1Self-reactive ]Pyrophoric (liquid or solid) lPvrophoric Gas |Self-heating ]Organic peroxide Gas under pressure (compressed gas) ]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** ]Acute toxicity (any route of exposure) [ ]Carcinogenicity ]Skin corrosion or irritation [ ]Reproductive toxicity ]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization [x]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction I, 1300 Tank Farm Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Diesel Fuel CAS: 68476-34-6 EHS: No [x] Identical to previous year [ ] TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [] Gas

Printed: April 2, 2019

# **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical

Facility Name: KMCO

PHYSICAL HAZARDS: [ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [ ]Corrosive to metal [ ]In contact with water emits flammable gas	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas) [ ]Combustible Dust</pre>
HEALTH HAZARDS:  [x] Acute toxicity (any route of exposure)  [x] Skin corrosion or irritation  [ ] Serious eye damage or eye irritation  [x] Respiratory or skin sensitization  [ ] Germ cell mutagenicity	<pre>[x]Carcinogenicity []Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard []Simple Asphyxiant</pre>
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds Max Daily Amt code: 06 (10,000 - 24,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure	
Fabrication building Amount:  Container Type: Steel Drum Pressure: Ambie Maintenance Bulding; mechanic shop Amount: 500 CHEMICALS IN INVENTORY STATE FIELDS:	ent pressure Temp: Ambient temperature Location: T5018 and
No additional chemical information is required by Texa	S
CHEM NAME: Diethanolamine CAS: 111-42-2 EHS: No [x] Identical to previous year [ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Ga	ıs
PHYSICAL HAZARDS: [ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [x]Corrosive to metal [ ]In contact with water emits flammable gas	[ ]Gas under pressure (compressed gas)
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure)  [x]Skin corrosion or irritation  [x]Serious eye damage or eye irritation  []Respiratory or skin sensitization  []Germ cell mutagenicity	[ ]Carcinogenicity [ ]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 08 (50,000 - 74,999 pounds     Avg Daily Amt code: 08 (50,000 - 74,999 pounds     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential	•
	: Ambient pressure Temp: Ambient temperature Location: Distillation II

# **Emergency and Hazardous Chemical Inventory**

[ ]Hazard Not Otherwise Classified

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texa	as
	[ ]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas)
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation []Serious eye damage or eye irritation []Respiratory or skin sensitization []Germ cell mutagenicity	[ ]Reproductive toxicity
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 12 (1,000,000 - 9,999,999     Avg Daily Amt code: 12 (1,000,000 - 9,999,999)     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Above ground tank Pressure process area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texa	pounds) e: Ambient pressure Temp: Ambient temperature Location: Distillation II
CHEM NAME: Diisopropylamine  CAS: 108-18-9 EHS: No  [X] Identical to previous year  [] TRADE SECRET  [X] Pure [X] Mix [] Solid [X] Liquid [] Ga  PHYSICAL HAZARDS:  [] Explosive  [] Oxidizer (liquid, solid or gas)  [] Pyrophoric (liquid or solid)  [] Self-heating  [X] Corrosive to metal  [] In contact with water emits flammable gas	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas)</pre>
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure)  [x]Skin corrosion or irritation  [x]Serious eye damage or eye irritation  []Respiratory or skin sensitization  [x]Germ cell mutagenicity	[ ]Carcinogenicity [ ]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant

# **Emergency and Hazardous Chemical Inventory**

Printed: April 2, 2019 Specific Information by Chemical

Facility Name: KMCO
INVENTORY:  [] Below Reporting Thresholds  Max Daily Amt code: 05 (5,000 - 9,999 pounds)  Avg Daily Amt code: 03 (500 - 999 pounds)  No. of days on-site: 365  STORAGE LOCATIONS:  [] Confidential  Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Drumyard storage Amount:  CHEMICALS IN INVENTORY STATE FIELDS:  No additional chemical information is required by Texas
CHEM NAME: Dodecylbenzenesulfonic Acid CAS: 27176-87-0 EHS: No [x] Identical to previous year [ ] TRADE SECRET [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS:
[ ]Explosive
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization [y]Germ cell mutagenicity  [y]Carcinogenicity [y]Reproductive toxicity [y]Specific target organ toxicity (single/repeated exposure) [y]Aspiration hazard [y]Simple Asphyxiant
[ ] Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 07 (25,000 - 49,999 pounds)     Avg Daily Amt code: 06 (10,000 - 24,999 pounds)     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Drum yard Amount CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas
CHEM NAME: EPON Resin 828  CAS: 25068-38-6 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid) [] Self-reactive [] Pyrophoric Gas [] Self-heating [] Corrosive to metal [] Gas under pressure (compressed gas)

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**KMCO Facility Name:** [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity Reproductive toxicity [x]Skin corrosion or irritation [ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure) [x] Serious eye damage or eye irritation [x] Respiratory or skin sensitization lAspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 06 (10,000 - 24,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction 1 Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Ethoxylated Laurel Alcohol CAS: EHS: No [x] Identical to previous year [x] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: lExplosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) lSelf-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Gas under pressure (compressed gas) |Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [ ]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 07 (25,000 - 49,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

Amount:

Reaction I

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Specific Information by Chemical

Facility Name: KMCO	
CAS: 763-69-9 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [x] Flammable (gases, aerosols, liquids, or sol	ids)
[ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive [ ]Pyrophoric (liquid or solid) [ ]Pyrophoric Gas [ ]Self-heating [ ]Organic peroxide [ ]Corrosive to metal [ ]Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust	
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure) []Skin corrosion or irritation []Serious eye damage or eye irritation []Respiratory or skin sensitization []Germ cell mutagenicity  []Simple Asphyxiant	ated exposure)
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)	
Avg Daily Amt code: 11 (500,000 - 999,999 pounds)	
No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	
	ocation: Reaction
Process Area Amount:	
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
<del></del>	
CHEM NAME: Ethyl acrylate	
CAS: 140-88-5 EHS: No	
[x] Identical to previous year [ ] TRADE SECRET	
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas	
PHYSICAL HAZARDS:	
[ ]Explosive [x]Flammable (gases, aerosols, liquids, or sol	ids)
[ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive [ ]Pyrophoric (liquid or solid) [ ]Pyrophoric Gas	
<pre>[x]Self-heating [ ]Organic peroxide [ ]Corrosive to metal [ ]Gas under pressure (compressed gas)</pre>	
[ ]In contact with water emits flammable gas [ ]Combustible Dust	
HEALTH HAZARDS:	
[x]Acute toxicity (any route of exposure) [x]Carcinogenicity	
[ ]Skin corrosion or irritation	ated exposure)
[ ]Respiratory or skin sensitization	,
[ ]Germ cell mutagenicity [ ]Simple Asphyxiant	
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 13 (10 million+ pounds)	
Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)	
No. of days on-site: 365	
STORAGE LOCATIONS:	

# **Emergency and Hazardous Chemical Inventory**

Printed: April 2, 2019 Specific Information by Chemical

Facility Name: K	MCO					
Process Area An	oe: Above ground tank nount:	Pressure: Amb	•	Temp: Ambient ter	•	on: Reaction I
CHEMICALS IN IN	pe: Rail car Pressure IVENTORY STATE FIE ical information is requir	LDS:	ıre Temp: Ar	nbient temperature	Location: Railyard	d Amount:
CHEM NAME: Ethyl						
[x] Identical to						
[ ] Pure [x] PHYSICAL HAZAF	Mix    [  ] Solid    [x] Liqu RDS:	ıid []Gas				
[ ]Pyrophoric (] [ ]Self-heating [ ]Corrosive to	quid, solid or gas) liquid or solid) metal ith water emits flam	[ ]Se [ ]P <u>y</u> [ ]Or [ ]Ga	elf-reactive yrophoric Gas ganic peroxicas under pres	sure (compressed o		
<pre>[x]Skin corrosic [x]Serious eye c</pre>	ty (any route of exp on or irritation damage or eye irrita or skin sensitizatio	[ ]Re tion [x]Sp n [ ]As	arcinogenicit eproductive to ecific targe spiration haza imple Asphyxi	oxicity t organ toxicity ard	(single/repeated	exposure)
	therwise Classified					
Max Daily Am	ΓIONS:	•				
	oe: Above ground tank nount:	Pressure: Amb	pient pressure	Temp: Ambient ter	nperature Locati	on: Reaction One
	IVENTORY STATE FIE ical information is requir					
CHEM NAME: Ethyl	l Chloride					
	HS: Yes o previous year					
[] TRADE SE	•	uid [x] Gas				
CHEMICAL COMP	PONENTS: : 75-00-3, Component:	Ethvl Chloride, 10	0% Wt. Max Ar	nt code: 10 (100.000	- 499.999 pounds)	
PHYSICAL HAZAF	·	•		es, aerosols, liqu	,	
[ ]Oxidizer (lid [ ]Pyrophoric (] [ ]Self-heating [ ]Corrosive to	quid, solid or gas) liquid or solid) metal ith water emits flam	[ ]Se [ ]P <u>y</u> [ ]Or [x]Ga	elf-reactive yrophoric Gas ganic peroxic as under pres	de sure (compressed o		
HEALTH HAZARD		522 [ ]00	2 2 2 2 2 2 2 2 4			
	ty (any route of exp	osure) [ ]Ca	arcinogenicit	У		

Printed: April 2, 2019

Specific Information by Chemical

**Facility Name: KMCO** [x]Skin corrosion or irritation [ ]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization [ ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 07 (25,000 - 49,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction 2 Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Ethylene Carbonate CAS: 96-49-1 EHS: No [x] Identical to previous year [] TRADE SECRET [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive [Flammable (gases, aerosols, liquids, or solids) 10xidizer (liquid, solid or gas) |Self-reactive ]Pyrophoric (liquid or solid) lPvrophoric Gas |Self-heating ]Organic peroxide Gas under pressure (compressed gas) 1Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) ]Aspiration hazard [x]Respiratory or skin sensitization [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 07 (25,000 - 49,999 pounds) Avg Daily Amt code: 07 (25,000 - 49,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction II Process Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Ethylene Glycol CAS: 107-21-1 EHS: No [x] Identical to previous year [ ] TRADE SECRET [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

#### **Emergency and Hazardous Chemical Inventory**

Printed: April 2, 2019 Specific Information by Chemical

**Facility Name: KMCO** 

```
PHYSICAL HAZARDS:
  ]Explosive
                                                [ ]Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                [ ]Self-reactive
   ]Pyrophoric (liquid or solid)
                                                  ]Pyrophoric Gas
  ]Self-heating
                                                  ]Organic peroxide
   ]Corrosive to metal
                                                  ]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                [ ]Carcinogenicity
   ]Skin corrosion or irritation
                                                  ]Reproductive toxicity
   Serious eye damage or eye irritation
                                                [x]Specific target organ toxicity (single/repeated exposure)
   ]Respiratory or skin sensitization
                                                  ]Aspiration hazard
 [ ]Germ cell mutagenicity
                                                [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
     Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Above ground tank
                                        Pressure: Ambient pressure
                                                                    Temp: Ambient temperature
                                                                                                Location: Distillation I
Process Area
               Amount:
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Ethylene Oxide
               EHS: Yes
CAS: 75-21-8
     [x] Identical to previous year
     [] TRADE SECRET
     [x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas
 CHEMICAL COMPONENTS:
     [x] EHS, CAS: 75-21-8, Component: Ethylene Oxide, 100% Wt, Max Amt code: 12 (1,000,000 - 9,999,999 pounds)
 PHYSICAL HAZARDS:
 [x]Explosive
                                                [x]Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                  ]Self-reactive
   ]Pyrophoric (liquid or solid)
                                                  lPvrophoric Gas
   ]Self-heating
                                                  ]Organic peroxide
   1Corrosive to metal
                                                 [x]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                [x]Carcinogenicity
                                                 [x]Reproductive toxicity
 [x]Skin corrosion or irritation
 [x] Serious eye damage or eye irritation
                                                [x]Specific target organ toxicity (single/repeated exposure)
 [x]Respiratory or skin sensitization
                                                  lAspiration hazard
 [x]Germ cell mutagenicity
                                                [x]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
     Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Above ground tank
                                       Pressure: Greater than ambient pressure
                                                                               Temp: Less than ambient temp. / not cryog
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Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO			
Location: EO Tank Farm, West of Reaction II Amou CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texa	unt: 360000 pounds		
CHEM NAME: Formaldehyde (37% Formalin)			
CAS: 5000-00-0 EHS: Yes			
[x] Identical to previous year			
[ ] TRADE SECRET			
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Ga	as		
CHEMICAL COMPONENTS:			
[x] EHS, CAS: 5000-00-0, Component: Formaldo	ehyde, 37% Vol, Max	Amt code: 10 (100,000 - 499,99!	9 pounds)
PHYSICAL HAZARDS: []Explosive	[ ]Flammable (gase	es, aerosols, liquids, or s	solids)
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive	os, adrosors, rradras, er s	,01140,
[ ]Pyrophoric (liquid or solid) [ ]Self-heating	[ ]Pyrophoric Gas [ ]Organic peroxic	de	
[ ]Corrosive to metal [ ]In contact with water emits flammable gas	[ ]Gas under pres	sure (compressed gas)	
HEALTH HAZARDS:			
[] Acute toxicity (any route of exposure)	[x]Carcinogenicit	У	
[x]Skin corrosion or irritation	[ ]Reproductive to	oxicity	encated eveneure)
[ ]Serious eye damage or eye irritation [x]Respiratory or skin sensitization	[ ]Aspiration haz	t organ toxicity (single/re ard	:peated exposure)
[ ]Germ cell mutagenicity	[ ]Simple Asphyxia	ant	
[ ]Hazard Not Otherwise Classified INVENTORY:			
[ ] Below Reporting Thresholds			
Max Daily Amt code: 10 (100,000 - 499,999 pou	nds)		
Avg Daily Amt code: 06 (10,000 - 24,999 pound	•		
No. of days on-site: 365	,		
STORAGE LOCATIONS:			
[ ] Confidential			
· · · · · · · · · · · · · · · · · · ·	e: Ambient pressure	Temp: Ambient temperature	Location: drumyard
storage Amount:			
* · · · · · · · · · · · · · · · · · · ·	e: Ambient pressure	Temp: Ambient temperature	Location: Reaction 2
Amount: 60000 pounds			
CHEMICALS IN INVENTORY STATE FIELDS:			
No additional chemical information is required by Texa 	IS		
CHEM NAME: Gasoline			
CAS: 8006-61-9 EHS: No			
[x] Identical to previous year			
[]TRADE SECRET			
[] Pure [x] Mix [] Solid [x] Liquid [] Ga	as		
PHYSICAL HAZARDS: [ ]Explosive	[x]Flammahle (das	es, aerosols, liquids, or s	olids)
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive		, , ,
[ ]Pyrophoric (liquid or solid) [ ]Self-heating	[ ]Pyrophoric Gas [ ]Organic peroxi	de	
[ ]Corrosive to metal	[x]Gas under pres	sure (compressed gas)	
[ ]In contact with water emits flammable gas	[ ]COMBUSTIBLE Du	S L	
HEALTH HAZARDS:			
<pre>[x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation</pre>	[x]Carcinogenicit []Reproductive to		

[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

Printed: April 2, 2019

#### Specific Information by Chemical

**Facility Name: KMCO** [x] Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization [x]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 06 (10,000 - 24,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Location: South of Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature fabrication building Amount: 5000 pounds CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Hexamethylenetetramine CAS: 100-97-0 EHS: No [x] Identical to previous year [] TRADE SECRET [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive [Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas 1Self-heating ]Organic peroxide Gas under pressure (compressed gas) |Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity ]Reproductive toxicity [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [x]Germ cell mutagenicity [ ]Simple Asphyxiant [ ] Hazard Not Otherwise Classified INVENTORY: [] Below Reporting Thresholds Max Daily Amt code: 08 (50,000 - 74,999 pounds) Avg Daily Amt code: 07 (25,000 - 49,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction 1 CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Isomerized Olefins, C16 alpha CAS: 148617-57-6 EHS: No [x] Identical to previous year [ ] TRADE SECRET

# **Emergency and Hazardous Chemical Inventory**

Printed: April 2, 2019 Specific Information by Chemical

**Facility Name: KMCO** 

PHYSICAL HAZARDS:	
[ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating	[ ]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas) [ ]Combustible Dust
UEAL TUULAZARRO	
[ ]Skin corrosion or irritation [ ]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY: [ ] Below Reporting Thresholds	
Max Daily Amt code: 11 (500,000 - 999,999 poun	ds)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)	
No. of days on-site: 365	
STORAGE LOCATIONS:	
[ ] Confidential	Anabiant massure Tanan Anabiant terromantum Lagetian Desetion
Container Type: Above ground tank Pressure: process area Amount:	Ambient pressure Temp: Ambient temperature Location: Reaction I
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
<pre>[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating</pre>	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas)</pre>
HEALTH HAZARDS:	
[ ]Skin corrosion or irritation [ ]Serious eye damage or eye irritation	[ ]Carcinogenicity [x]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 08 (50,000 - 74,999 pounds	)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)	
No. of days on-site: 365	
STORAGE LOCATIONS: [ ] Confidential	
	Ambient pressure Temp: Ambient temperature Location: Reaction 1
Amount:	, and production and a control of the control of th
CHEMICALS IN INVENTORY STATE FIELDS:	

[ ] Below Reporting Thresholds

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**Facility Name: KMCO** No additional chemical information is required by Texas CHEM NAME: Kerosene CAS: 8008-20-6 EHS: No [x] Identical to previous year [] TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: [x]Flammable (gases, aerosols, liquids, or solids) ]Explosive ]Oxidizer (liquid, solid or gas) ]Pyrophoric (liquid or solid) ]Self-reactive ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Corrosive to metal ]Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [x]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity ]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization [x]Aspiration hazard [ ]Simple Asphyxiant [ ]Germ cell mutagenicity [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 09 (75,000 - 99,999 pounds) Avg Daily Amt code: 09 (75,000 - 99,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction I/ 1300 Tank Farm Amount. CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Maleic Anhydride CAS: 108-31-6 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [x] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: [ ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) ]Self-reactive ]Oxidizer (liquid, solid or gas) Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Corrosive to metal Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [x]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization ]Specific target organ toxicity (single/repeated exposure) Aspiration hazard [ ]Germ cell mutagenicity [ |Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY:

### **Emergency and Hazardous Chemical Inventory**

Printed: April 2, 2019 Specific Information by Chemical

```
KMCO
Facility Name:
     Max Daily Amt code: 11 (500,000 - 999,999 pounds)
     Avg Daily Amt code: 09 (75,000 - 99,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Bag
                            Pressure: Ambient pressure
                                                          Temp: Ambient temperature
                                                                                       Location: Reaction I & II Process Area
Amount:
      Container Type: Above ground tank
                                          Pressure: Ambient pressure
                                                                        Temp: Ambient temperature
                                                                                                      Location: Reaction I & II
                Amount:
Process Area
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Methane Sulfonic Acid
CAS: 75-75-2
               EHS: No
      [x] Identical to previous year
     [] TRADE SECRET
     [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
 PHYSICAL HAZARDS:
   ]Explosive
                                                     ]Flammable (gases, aerosols, liquids, or solids)
                                                     |Self-reactive
    Oxidizer (liquid, solid or gas)
   Pyrophoric (liquid or solid)
                                                     ]Pyrophoric Gas
   ]Self-heating
                                                     ]Organic peroxide
   ]Corrosive to metal
                                                     ]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x] Acute toxicity (any route of exposure) [x] Skin corrosion or irritation
                                                     lCarcinogenicity
                                                   [ ]Reproductive toxicity
 [x]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
                                                     |Specific target organ toxicity (single/repeated exposure)
|Aspiration hazard
 [ ]Germ cell mutagenicity
                                                   [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 05 (5,000 - 9,999 pounds)
     Avg Daily Amt code: 04 (1,000 - 4,999 pounds)
      No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Plastic or non-metallic drum
                                                  Pressure: Ambient pressure
                                                                                Temp: Ambient temperature
                                                                                                              Location:
Drumyard storage, Reaction I Process Area
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Methyl Alcohol
CAS: 67-56-1
                EHS: No
     [x] Identical to previous year
     [ ] TRADE SECRET
     [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
 PHYSICAL HAZARDS:
   ]Explosive
                                                   [x]Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                     ||Self-reactive
   ]Pyrophoric (liquid or solid)
                                                     ]Pyrophoric Gas
   ]Self-heating
                                                     ]Organic peroxide
 [ ]Corrosive to metal
                                                   [ ]Gas under pressure (compressed gas)
```

### Specific Information by Chemical

**KMCO Facility Name:** [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation Reproductive toxicity ]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization lAspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 09 (75,000 - 99,999 pounds) Avg Daily Amt code: 08 (50,000 - 74,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction 2, Amount: 700 Tank Farm CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Methyldiethanolamine CAS: 105-59-9 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: lExplosive ]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) lSelf-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas 1Self-heating ]Organic peroxide ]Gas under pressure (compressed gas) [x]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity ]Skin corrosion or irritation ]Reproductive toxicity ]Serious eye damage or eye irritation [ ]Specific target organ toxicity (single/repeated exposure) ]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 06 (10,000 - 24,999 pounds) Avg Daily Amt code: 04 (1,000 - 4,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction II & Distillation II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas

CHEM NAME: Mineral OII

# **Emergency and Hazardous Chemical Inventory**

Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
CAS: 8042-47-5 EHS: No  [x] Identical to previous year  [] TRADE SECRET  [x] Pure [] Mix [] Solid [x] Liquid [] Gas  PHYSICAL HAZARDS:  [] Explosive [] Oxidizer (liquid, solid or gas) [] Pyrophoric (liquid or solid)	[ ]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas
<pre>[ ]Self-heating [ ]Corrosive to metal [ ]In contact with water emits flammable gas</pre>	[ ]Organic peroxide [ ]Gas under pressure (compressed gas) [ ]Combustible Dust
HEALTH HAZARDS:	
<pre>[x]Acute toxicity (any route of exposure) [ ]Skin corrosion or irritation [x]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization [ ]Germ cell mutagenicity</pre>	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 12 (1,000,000 - 9,999,999 p	•
Avg Daily Amt code: 12 (1,000,000 - 9,999,999 p No. of days on-site: 365	ounds)
STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Rail car Pressure: Ambient p	pressure Temp: Ambient temperature Location: KMRAIL, Reaction 1 & 2
Amount:  Container Type: Above ground tank  Pressure	: Ambient pressure Temp: Ambient temperature Location: KMRAIL,
Reaction 1 & 2 Amount:	. Ambient pressure Temp. Ambient temperature Location. NintALL,
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
CHEM NAME: n-heptane	
CAS: 142-82-5 EHS: No	
[x] Identical to previous year [ ] TRADE SECRET	
[x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas	3
PHYSICAL HAZARDS:	
[ ]Explosive [ ]Oxidizer (liquid, solid or gas)	<pre>[x]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive</pre>
[ ]Pyrophoric (liquid or solid) [ ]Self-heating	[ ]Pyrophoric Gas [ ]Organic peroxide
[ ]Corrosive to metal [ ]In contact with water emits flammable gas	[ ]Gas under pressure (compressed gas)
HEALTH HAZARDS: [x]Acute toxicity (any route of exposure)	[ ]Carcinogenicity
[x]Skin corrosion or irritation	[ ]Reproductive toxicity
<pre>[ ]Serious eye damage or eye irritation [x]Respiratory or skin sensitization [ ]Germ cell mutagenicity</pre>	<pre>[x]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard [ ]Simple Asphyxiant</pre>
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds  Max Daily Amt code: 10 (100,000 - 499,999 pour	nds)

**Emergency and Hazardous Chemical Inventory** Printed: April 2, 2019 Specific Information by Chemical **KMCO Facility Name:** No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction process area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: n-hexene CAS: 592-41-6 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating Organic peroxide Gas under pressure (compressed gas) ]Corrosive to metal ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** ]Acute toxicity (any route of exposure) ]Carcinogenicity Skin corrosion or irritation ]Reproductive toxicity ]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization Aspiration hazard [ ]Germ cell mutagenicity [ |Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 07 (25,000 - 49,999 pounds) Max quantity in largest container: 100000 pounds No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction I Amount: 100000 pounds Tank Farm CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Naphthalene CAS: 91-20-3 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [x] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide

]Gas under pressure (compressed gas)

## **HEALTH HAZARDS:**

]Corrosive to metal

[ ]In contact with water emits flammable gas [ ]Combustible Dust

Printed: April 2, 2019

### Specific Information by Chemical

**Facility Name: KMCO** [x]Skin corrosion or irritation [ ]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) Respiratory or skin sensitization [ ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 11 (500,000 - 999,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction 1 Tank Farm Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Nitrogen CAS: 7727-37-9 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas PHYSICAL HAZARDS: ]Explosive [Flammable (gases, aerosols, liquids, or solids) 10xidizer (liquid, solid or gas) 1Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas |Self-heating ]Organic peroxide [x]Gas under pressure (compressed gas) 1Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity ]Skin corrosion or irritation ]Reproductive toxicity ]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [x]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 08 (50,000 - 74,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location: Nitrogen Storage Tank & Associated Piping CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Nonyl Phenol CAS: 25154-52-3 EHS: No [x] Identical to previous year []TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

#### **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO

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PHYSICAL HAZARDS:
   ]Explosive
                                                 [ ]Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                  ]Self-reactive
   ]Pyrophoric (liquid or solid)
                                                   ]Pyrophoric Gas
   ]Self-heating
                                                   ]Organic peroxide
 [x]Corrosive to metal
                                                   ]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                 [ ]Carcinogenicity
 [x]Skin corrosion or irritation
                                                   ]Reproductive toxicity
                                                 [ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
 [x]Serious eye damage or eye irritation
   ]Respiratory or skin sensitization
                                                   ]Aspiration hazard
 [ ]Germ cell mutagenicity
                                                 [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 10 (100,000 - 499,999 pounds)
     Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Above ground tank
                                        Pressure: Ambient pressure
                                                                     Temp: Ambient temperature
                                                                                                 Location: Reaction I & II
Process Area
               Amount:
     Container Type: Steel Drum
                                 Pressure: Ambient pressure
                                                              Temp: Ambient temperature
                                                                                          Location: Drumyard Storage
Amount:
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Organic Peroxide, Liquid N.O.S.
CAS: 94-36-0
               EHS: No
     [x] Identical to previous year
     [] TRADE SECRET
     [x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
 PHYSICAL HAZARDS:
   ]Explosive
                                                 [x]Flammable (gases, aerosols, liquids, or solids)
 [x]Oxidizer (liquid, solid or gas)
                                                  ]Self-reactive
   ]Pyrophoric (liquid or solid)
                                                   ]Pyrophoric Gas
   ]Self-heating
                                                 [x]Organic peroxide
 [x]Corrosive to metal
                                                   ]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                 [ ]Carcinogenicity
                                                   ]Reproductive toxicity
 [x]Skin corrosion or irritation
 [x] Serious eye damage or eye irritation
                                                   ]Specific target organ toxicity (single/repeated exposure)
 [x]Respiratory or skin sensitization
                                                   lAspiration hazard
 [ ]Germ cell mutagenicity
                                                 [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 05 (5,000 - 9,999 pounds)
     Avg Daily Amt code: 02 (100 - 499 pounds)
     Max quantity in largest container: 1200 pounds
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
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Specific Information by Chemical	Printed: April 2, 2019
Facility Name: VMCO	

Facility Name: KMCO	
Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog Location: Peroxide Freezer Amount: 1200 pounds CHEMICALS IN INVENTORY STATE FIELDS:  No additional chemical information is required by Texas	
CHEM NAME: Paraformaldehyde	
CAS: 30525-89-4 EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET	
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas	
PHYSICAL HAZARDS:	
[ ]Explosive [ ]Flammable (gases, aerosols, liquids, or solids) [ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive [ ]Pyrophoric (liquid or solid) [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Corrosive to metal [ ]Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust	
HEALTH HAZARDS:	
[x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization []Germ cell mutagenicity [x]Carcinogenicity [y]Reproductive toxicity [x]Specific target organ toxicity (single/repeated exposure [y]Respiration hazard [y]Simple Asphyxiant	)
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 10 (100,000 - 499,999 pounds)	
Avg Daily Amt code: 09 (75,000 - 99,999 pounds)	
No. of days on-site: 365	
STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: Warehouse Amou	nt:
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
CHEM NAME: Phosphoric Acid	
CAS: 7664-38-2 EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET	
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas	
PHYSICAL HAZARDS:	
[ ]Explosive [ ]Flammable (gases, aerosols, liquids, or solids) [ ]Oxidizer (liquid, solid or gas) [ ]Self-reactive	
[ ]Pyrophoric (liquid or solid)	
HEALTH HAZARDS:	
[x]Acute toxicity (any route of exposure) [ ]Carcinogenicity	
<pre>[x]Skin corrosion or irritation</pre>	)

<sup>[ ]</sup>Hazard Not Otherwise Classified

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Specific Information by Chemical

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KMCO
Facility Name:
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 07 (25,000 - 49,999 pounds)
     Avg Daily Amt code: 05 (5,000 - 9,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [] Confidential
     Container Type: Plastic or non-metallic drum
                                                Pressure: Ambient pressure
                                                                            Temp: Ambient temperature
Reaction I Process Area
                        Amount:
     Container Type: Tote bin
                              Pressure: Ambient pressure
                                                           Temp: Ambient temperature
                                                                                       Location: Drumyard Storage
Amount:
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Phosphorous Pentasulfide
CAS: 1314-80-3
                 EHS: No
     [x] Identical to previous year
     [] TRADE SECRET
     [x] Pure [ ] Mix [x] Solid [ ] Liquid [ ] Gas
 PHYSICAL HAZARDS:
   ]Explosive
                                                 [x]Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                 [ ]Self-reactive
   ]Pyrophoric (liquid or solid)
                                                   ]Pyrophoric Gas
   ]Self-heating
                                                  ]Organic peroxide
                                                   [Gas under pressure (compressed gas)
   |Corrosive to metal
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                 [ ]Carcinogenicity
 [x]Skin corrosion or irritation
                                                  ]Reproductive toxicity
 [x]Serious eye damage or eye irritation
                                                [ ]Specific target organ toxicity (single/repeated exposure)
 [x]Respiratory or skin sensitization
                                                   lAspiration hazard
 [ ]Germ cell mutagenicity
                                                 [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [ ] Below Reporting Thresholds
     Max Daily Amt code: 07 (25,000 - 49,999 pounds)
     Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Tote bin
                              Pressure: Ambient pressure
                                                           Temp: Ambient temperature
                                                                                       Location: Reaction II Process area
           Amount: 50000 pounds
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Phthalic Anhydride
CAS: 85-44-9
               EHS: No
     [x] Identical to previous year
     [] TRADE SECRET
     [x] Pure [] Mix [x] Solid [] Liquid [] Gas
 PHYSICAL HAZARDS:
                                                 [ ]Flammable (gases, aerosols, liquids, or solids)
 [ ]Explosive
 [ ]Oxidizer (liquid, solid or gas)
                                                 [ ]Self-reactive
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### **Emergency and Hazardous Chemical Inventory**

No additional chemical information is required by Texas

Specific Information by Chemical Printed: April 2, 2019

#### **KMCO Facility Name:** ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ||Self-heating ]Organic peroxide [x]Corrosive to metal [Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [ ]Carcinogenicity ]Reproductive toxicity [ ]Aspiration hazard [x]Serious eye damage or eye irritation []Respiratory or skin sensitization [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 11 (500,000 - 999,999 pounds) Avg Daily Amt code: 09 (75,000 - 99,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: Dry Storage Area Amount: Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction I & II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Poly (methyl1,2ethanediyl)alpha(4nonylphenyl) CAS: 155240-08-7 EHS: No [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) |Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Gas under pressure (compressed gas) ]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [ ]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization ]Aspiration hazard [ ]Simple Asphyxiant [ ]Germ cell mutagenicity [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 09 (75,000 - 99,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction II process are Amount: CHEMICALS IN INVENTORY STATE FIELDS:

# **Emergency and Hazardous Chemical Inventory**

**Tier Two** 

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
CHEM NAME: Polyethylene Glycols	
CAS: EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET	
[] Pure [x] Mix [] Solid [x] Liquid [] Gas	
PHYSICAL HAZARDS: [ ]Explosive [	]Flammable (gases, aerosols, liquids, or solids)
	Self-reactive
	]Pyrophoric Gas ]Organic peroxide
[ ]Corrosive to metal [	]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas [	Combustible Dust
HEALTH HAZARDS:	
	]Carcinogenicity   ]Reproductive toxicity
[ ]Serious eye damage or eye irritation [	Specific target organ toxicity (single/repeated exposure)
	]Aspiration hazard   ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 12 (1,000,000 - 9,999,999 po     Avg Daily Amt code: 12 (1,000,000 - 9,999,999 po     No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Above ground tank Pressure: Tank Farm Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	,
[x] Identical to previous year	
[] Pure [x] Mix [] Solid [x] Liquid [] Gas	
PHYSICAL HAZARDS:	
	]Flammable (gases, aerosols, liquids, or solids)
[]Self-heating [	]Organic peroxide
[ ]Corrosive to metal [ ]In contact with water emits flammable gas [	] ]Gas under pressure (compressed gas)   ]Combustible Dust
HEALTH HAZARDS:	
	]Carcinogenicity
	Reproductive toxicity   Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization [	]Aspiration hazard ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 08 (50,000 - 74,999 pounds)	

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
Avg Daily Amt code: 07 (25,000 - 49,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS:  [ ] Confidential Container Type: Above ground tank Pressure: Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	Ambient pressure Temp: Ambient temperature Location: Reation I
[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [	Flammable (gases, aerosols, liquids, or solids)   Self-reactive   Pyrophoric Gas   Organic peroxide   Gas under pressure (compressed gas)   Combustible Dust
<pre>[x]Skin corrosion or irritation [ []Serious eye damage or eye irritation [ [x]Respiratory or skin sensitization [</pre>	Carcinogenicity  Reproductive toxicity  Specific target organ toxicity (single/repeated exposure)  Aspiration hazard  Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:     [ ] Below Reporting Thresholds     Max Daily Amt code: 12 (1,000,000 - 9,999,999 pound Avg Daily Amt code: 11 (500,000 - 999,999 pound No. of days on-site: 365 STORAGE LOCATIONS:     [ ] Confidential     Container Type: Above ground tank Pressure: Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	
[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [	<pre> Flammable (gases, aerosols, liquids, or solids)  Self-reactive  Pyrophoric Gas  Organic peroxide  Gas under pressure (compressed gas)  Combustible Dust</pre>
HEALTH HAZARDS: [xlAcute toxicity (any route of exposure) [	ClCarcinogenicity

Reporting Period: January 1 to December 31, 2017

Temp: Less than ambient temp. / not cryog

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Printed: April 2, 2019 Specific Information by Chemical **Facility Name: KMCO** [x]Skin corrosion or irritation [ ]Reproductive toxicity [x]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 05 (5,000 - 9,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: Drumyard storage Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Propylene Oxide CAS: 75-56-9 EHS: Yes [x] Identical to previous year [] TRADE SECRET [x] Pure [x] Mix [ ] Solid [x] Liquid [x] Gas CHEMICAL COMPONENTS: [x] EHS, CAS: 75-56-9, Component: Propylene Oxde, 100% Wt, Max Amt code: 12 (1,000,000 - 9,999,999 pounds) PHYSICAL HAZARDS: [ ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas)
Pyrophoric (liquid or solid) ]Self-reactive lPvrophoric Gas ]Self-heating ]Organic peroxide Gas under pressure (compressed gas) 1Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Carcinogenicity [x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [x] Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential

Pressure: Greater than ambient pressure

CHEMICALS IN INVENTORY STATE FIELDS:

Container Type: Above ground tank

No additional chemical information is required by Texas

Location: TANK 2010 NORTH OF EXXON BLEND PAD

.

CHEM NAME: Sodium Hydrosulfide CAS: 16721-80-5 EHS: No [x] Identical to previous year Specific Information by Chemical

Facility Name: KMCO	
[ ] TRADE SECRET [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Ga	s
[ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [x]Corrosive to metal [x]In contact with water emits flammable gas	[]Flammable (gases, aerosols, liquids, or solids) []Self-reactive []Pyrophoric Gas []Organic peroxide []Gas under pressure (compressed gas) []Combustible Dust
HEALTH HAZARDS:  [x]Acute toxicity (any route of exposure)  [x]Skin corrosion or irritation  [x]Serious eye damage or eye irritation  []Respiratory or skin sensitization  []Germ cell mutagenicity	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pour Avg Daily Amt code: 07 (25,000 - 49,999 pounds No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	: Ambient pressure Temp: Ambient temperature Location: Reaction II
Container Type: Above ground tank Pressure Process Area Amount:	: Ambient pressure Temp: Ambient temperature Location: Reaction II
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	5
CHEM NAME: SODIUM HYDROXIDE	
CAS: 1310-73-2 EHS: No	
[x] Identical to previous year [ ] TRADE SECRET	
[] Pure [x] Mix [] Solid [x] Liquid [] Ga	S
PHYSICAL HAZARDS:	
<pre>[ ]Explosive [ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating [x]Corrosive to metal</pre>	<pre>[ ]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide [ ]Gas under pressure (compressed gas)</pre>
[ ]In contact with water emits flammable gas	
HEALTH HAZARDS:	
<pre>[x]Acute toxicity (any route of exposure) [x]Skin corrosion or irritation [ ]Serious eye damage or eye irritation [x]Respiratory or skin sensitization [ ]Germ cell mutagenicity</pre>	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 11 (500,000 - 999,999 pour	·
Avg Daily Amt code: 10 (100,000 - 499,999 poun	ds)
No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	
	Ambient pressure Temp: Ambient temperature Location: Reaction

### **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical Printed: April 2, 2019

**KMCO Facility Name:** I/Reaction II Process Area/Distillation II Amount: Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: Drumvard storage/reaction II Process area CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Sodium Hypochlorite CAS: 7681-52-9 EHS: No [x] Identical to previous year [ ] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Self-heating ]Organic peroxide ]Corrosive to metal ]Gas under pressure (compressed gas) ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x] Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [x]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 07 (25,000 - 49,999 pounds) Avg Daily Amt code: 05 (5,000 - 9,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: Drumyard Storage Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Sulfolene; C4H6SO2 CAS: 77-79-2 EHS: No [x] Identical to previous year []TRADE SECRET [x] Pure [] Mix [x] Solid [] Liquid [] Gas PHYSICAL HAZARDS: [ ]Explosive [Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas ]Organic peroxide |Self-heating ]Corrosive to metal [Gas under pressure (compressed gas) [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** ]Acute toxicity (any route of exposure) ||Carcinogenicity ]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) ]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant

### **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical

Printed: April 2, 2019 **KMCO Facility Name:** [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: Dry Storage Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Sulfur Dioxide (anhydrous) CAS: 7446-09-5 EHS: Yes [x] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas CHEMICAL COMPONENTS: [x] EHS, CAS: 7446-09-5, Component: Sulfur Dioxide Anhydrous, 100% Wt, Max Amt code: 07 (25,000 - 49,999 pounds) PHYSICAL HAZARDS: ]Explosive ]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) lPyrophoric Gas | | Self-heating ]Organic peroxide [ ]Corrosive to metal [x]Gas under pressu [ ]In contact with water emits flammable gas [ ]Combustible Dust [x]Gas under pressure (compressed gas) **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x] Serious eye damage or eye irritation ]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 07 (25,000 - 49,999 pounds) Avg Daily Amt code: 06 (10,000 - 24,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [] Confidential Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction II Process area, Cylinder storage area CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas

CHEM NAME: Sulfur Molten CAS: 7704-34-9 EHS: No [x] Identical to previous year

# **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
[ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Ga	s
PHYSICAL HAZARDS:	
[ ]Explosive	<pre>[x]Flammable (gases, aerosols, liquids, or solids)</pre>
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive
[]Pyrophoric (liquid or solid) []Self-heating	[ ]Pyrophoric Gas [ ]Organic peroxide
[]Corrosive to metal	[ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas	[ ]Combustible Dust
HEALTH HAZARDS:	
<pre>[x]Acute toxicity (any route of exposure)</pre>	[ ]Carcinogenicity
[x]Skin corrosion or irritation	[ ]Reproductive toxicity
[x]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization	[ ]Specific target organ toxicity (single/repeated exposure) [x]Aspiration hazard
[ ]Germ cell mutagenicity	[ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 08 (50,000 - 74,999 pound	2)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds	5)
No. of days on-site: 365	
STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Above ground tank Pressure	: Ambient pressure Temp: Greater than ambient temperature Location:
Reaction I Tank Farm	
Amount	
Amount:	
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texa	S
CHEM NAME: Sulfuric Acid	
CAS: 7664-93-9 EHS: Yes	
[x] Identical to previous year	
[ ] TRADE SECRET	
[x] Pure [x] Mix [ ] Solid [x] Liquid [ ] Ga	S
CHEMICAL COMPONENTS:	
	Acid, 98% Wt, Max Amt code: 10 (100,000 - 499,999 pounds)
PHYSICAL HAZARDS:	10 (100,000 - 400,000 pourids)
[ ]Explosive	[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive
[ ]Pyrophoric (liquid or solid)	[ ]Pyrophoric Gas
[]Self-heating	[ ]Organic peroxide
<pre>[x]Corrosive to metal []In contact with water emits flammable gas</pre>	[ ]Gas under pressure (compressed gas) [ ]Combustible Dust
HEALTH HAZARDS:	
[x]Acute toxicity (any route of exposure)	[x]Carcinogenicity
[x]Skin corrosion or irritation	[ ]Reproductive toxicity
[x]Serious eye damage or eye irritation [x]Respiratory or skin sensitization	<pre>[x]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard</pre>
[]Germ cell mutagenicity	[ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 10 (100,000 - 499,999 pour	nds)
,	,

### **Emergency and Hazardous Chemical Inventory**

Specific Information by Chemical Printed: April 2, 2019

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KMCO
Facility Name:
     Avg Daily Amt code: 08 (50,000 - 74,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Tote bin
                              Pressure: Ambient pressure
                                                           Temp: Ambient temperature
                                                                                      Location: totes in drumyard
Amount:
     Container Type: Above ground tank
                                        Pressure: Ambient pressure
                                                                    Temp: Ambient temperature
                                                                                                Location: Distillation one
and tank farm
              Amount:
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Sulfurized Isobutylene
CAS: 68511-50-2
                  EHS: No
     [x] Identical to previous year
     [ ] TRADE SECRET
     [x] Pure [] Mix [] Solid [x] Liquid [] Gas
 PHYSICAL HAZARDS:
                                                   ]Flammable (gases, aerosols, liquids, or solids)
   lExplosive
   Oxidizer (liquid, solid or gas)
                                                   ]Self-reactive
   Pyrophoric (liquid or solid)
                                                   lPvrophoric Gas
   ]Self-heating
                                                   ]Organic peroxide
   ]Corrosive to metal
                                                   ]Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
 HEALTH HAZARDS:
 [x]Acute toxicity (any route of exposure)
                                                  ]Carcinogenicity
 [x]Skin corrosion or irritation
                                                  ]Reproductive toxicity
 [x]Serious eye damage or eye irritation
                                                   ]Specific target organ toxicity (single/repeated exposure)
   ]Respiratory or skin sensitization
                                                   ]Aspiration hazard
 [ ]Germ cell mutagenicity
                                                 [ ]Simple Asphyxiant
 [ ]Hazard Not Otherwise Classified
 INVENTORY:
     [] Below Reporting Thresholds
     Max Daily Amt code: 11 (500,000 - 999,999 pounds)
     Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
     No. of days on-site: 365
 STORAGE LOCATIONS:
     [ ] Confidential
     Container Type: Above ground tank
                                        Pressure: Ambient pressure
                                                                    Temp: Ambient temperature
                                                                                                 Location: Reaction II
Process Area
              Amount:
 CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas
CHEM NAME: Tergitol Surfactant
CAS: 84133-50-6
                  EHS: No
     [x] Identical to previous year
     [] TRADE SECRET
     [] Pure [x] Mix [] Solid [x] Liquid [] Gas
 PHYSICAL HAZARDS:
   ]Explosive
                                                  [Flammable (gases, aerosols, liquids, or solids)
   ]Oxidizer (liquid, solid or gas)
                                                  ]Self-reactive
                                                   ]Pyrophoric Gas
   ]Pyrophoric (liquid or solid)
   ]Self-heating
                                                   ]Organic peroxide
   ]Corrosive to metal
                                                   Gas under pressure (compressed gas)
 [ ]In contact with water emits flammable gas [ ]Combustible Dust
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**KMCO** 

**Facility Name:** 

Printed: April 2, 2019

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**HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization [ ]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds) Avg Daily Amt code: 11 (500,000 - 999,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Reaction 1 & 2 Tank Farm Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Tetraethylene Pentamine [TEPA] CAS: 112-57-2 EHS: No [x] Identical to previous year []TRADE SECRET [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas PHYSICAL HAZARDS: |Explosive ]Flammable (gases, aerosols, liquids, or solids) Oxidizer (liquid, solid or gas) 1Self-reactive ]Pyrophoric (liquid or solid) |Pvrophoric Gas ]Self-heating ]Organic peroxide ]Gas under pressure (compressed gas) ]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Skin corrosion or irritation ]Reproductive toxicity [x]Serious eye damage or eye irritation [x]Specific target organ toxicity (single/repeated exposure) [x]Respiratory or skin sensitization [ ]Aspiration hazard [x]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction II. 1600 tank farm Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas

**CHEM NAME: Toluene** CAS: 108-88-3 EHS: No

No. of days on-site: 365

Facility Name: KMCO	
[x] Identical to previous year [ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas	
[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid) [ ]Self-heating	[x]Flammable (gases, aerosols, liquids, or solids) []Self-reactive []Pyrophoric Gas []Organic peroxide []Gas under pressure (compressed gas) []Combustible Dust
<pre>[x]Skin corrosion or irritation [x]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization</pre>	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:  [ ] Below Reporting Thresholds  Max Daily Amt code: 11 (500,000 - 999,999 pound  Avg Daily Amt code: 10 (100,000 - 499,999 pound  No. of days on site: 365	•
No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	
Container Type: Above ground tank Pressure: Distillation II Process Area Amount:	Greater than ambient pressure Temp: Ambient temperature Location:
Container Type: Steel Drum Pressure: Greate	r than ambient pressure Temp: Ambient temperature Location: Reaction
II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	
CHEM NAME: Triethanolamine	
CAS: 102-71-6 EHS: No [x] Identical to previous year [ ] TRADE SECRET	
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas	
[ ]Oxidizer (liquid, solid or gas) [ ]Pyrophoric (liquid or solid)	[ ]Flammable (gases, aerosols, liquids, or solids) [ ]Self-reactive [ ]Pyrophoric Gas [ ]Organic peroxide
	[ ]Gas under pressure (compressed gas)
HEALTH HAZARDS:	
<pre>[x]Acute toxicity (any route of exposure) [ ]Skin corrosion or irritation [x]Serious eye damage or eye irritation [ ]Respiratory or skin sensitization</pre>	[ ]Carcinogenicity [ ]Reproductive toxicity [ ]Specific target organ toxicity (single/repeated exposure) [ ]Aspiration hazard [ ]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds  Max Daily Amt code: 08 (50,000 - 74,999 pounds)	
Avg Daily Amt code: 04 (1,000 - 4,999 pounds)	

Specific Information by Chemical Printed: April 2, 2019

Facility Name: KMCO	
STORAGE LOCATIONS: [ ] Confidential Container Type: Steel Drum Pressure: Ambien	t pressure Temp: Ambient temperature Location: Reaction II Process
Area Amount:	t pressure Temp. Ambient temperature Location. Reaction in 1 100033
CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas	
CHEM NAME: Triethylene Glycol	
CAS: 112-27-6 EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET	
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas	
PHYSICAL HAZARDS: []Explosive [	]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas) [	]Self-reactive
[ ]Self-heating [	]Pyrophoric Gas ]Organic peroxide
[ ]Corrosive to metal [ ]In contact with water emits flammable gas [	]Gas under pressure (compressed gas) ]Combustible Dust
<pre>HEALTH HAZARDS: [x]Acute toxicity (any route of exposure) [</pre>	]Carcinogenicity
[ ]Skin corrosion or irritation [	]Reproductive toxicity
	Specific target organ toxicity (single/repeated exposure)  Aspiration hazard
[ ]Germ cell mutagenicity [	]Simple Asphyxiant
[ ]Hazard Not Otherwise Classified	
INVENTORY:	
[ ] Below Reporting Thresholds	
Max Daily Amt code: 12 (1,000,000 - 9,999,999 po	,
Avg Daily Amt code: 12 (1,000,000 - 9,999,999 por	unds)
No. of days on-site: 365 STORAGE LOCATIONS:	
[ ] Confidential	
	Ambient pressure Temp: Ambient temperature Location: Distillation I
Process Area Amount:	
CHEMICALS IN INVENTORY STATE FIELDS:	
No additional chemical information is required by Texas	
CHEM NAME: Tris-nonylphenyl phosphite	
CAS: 26523-78-4 EHS: No	
[x] Identical to previous year	
[ ] TRADE SECRET	
[x] Pure [] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS:	
	]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas) [	Self-reactive  Pyrophoric Gas
[ ]Self-heating [	]Organic peroxide
[ ]Corrosive to metal	]Gas under pressure (compressed gas) ]Combustible Dust
HEALTH HAZARDS:	
[x]Acute toxicity (any route of exposure) [	]Carcinogenicity
	<pre>[Reproductive toxicity [Specific target organ toxicity (single/repeated exposure)</pre>
	Aspiration hazard

TCEQ Regulated Entity Number (RN): RN101613511

### Specific Information by Chemical

**Facility Name: KMCO** [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 05 (5,000 - 9,999 pounds) Avg Daily Amt code: 03 (500 - 999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Distillation I Amount: Process Area CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas CHEM NAME: Xylene CAS: 1330-20-7 EHS: No [x] Identical to previous year []TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [] Gas PHYSICAL HAZARDS: [ ]Explosive [x]Flammable (gases, aerosols, liquids, or solids) ]Oxidizer (liquid, solid or gas) ]Self-reactive ]Pyrophoric (liquid or solid) ]Pyrophoric Gas |Self-heating ]Organic peroxide Gas under pressure (compressed gas) ]Corrosive to metal [ ]In contact with water emits flammable gas [ ]Combustible Dust **HEALTH HAZARDS:** [x]Acute toxicity (any route of exposure) [ ]Carcinogenicity [x]Reproductive toxicity [x]Skin corrosion or irritation ]Serious eye damage or eye irritation |Specific target organ toxicity (single/repeated exposure) [x] Respiratory or skin sensitization [x]Aspiration hazard [ ]Germ cell mutagenicity [ ]Simple Asphyxiant [ ]Hazard Not Otherwise Classified INVENTORY: [ ] Below Reporting Thresholds Max Daily Amt code: 10 (100,000 - 499,999 pounds) Avg Daily Amt code: 10 (100,000 - 499,999 pounds) No. of days on-site: 365 STORAGE LOCATIONS: [ ] Confidential Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Reaction II Process Area Amount: CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Texas **FACILITY STATE FIELDS:** Texas requests the following: [] Initial [ ] Updated [x] Annual TXT2 Number:: 27954

Tier Two Reporting Period: January 1 to December 31, 2017

Emergency and Hazardous Chemical Inventory Page 47

Specific Information by Chemical Printed: April 2, 2019

Facility Name:	KMCO
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TCEQ Customer Number (CN): CN604105221

During this reporting year, was this facility sold to another company, or did it close operations or discontinue storing reportable quantities of hazardous substances?: No

Effective Date:

[	I have attached a site plan
[	I have attached a list of site coordinate abbreviations
[	I have attached a description of dikes and other safeguard measures

## Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 47,

and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Kimberly Davenport 2/27/2018

Name and official title of owner/operator
OR owner/operator's authorized representative
Signature
Date signed